

AMERICAN FISHERIES SOCIETY SOUTHERN NEW ENGLAND CHAPTER NEWSLETTER

April 1993
Volume 2, Number 1

PRESIDENT'S CORNER

Should the Southern New England Chapter become an activist organization? Should we aggressively seek to effect policy on issues such as groundfish management, salmon restoration, the MWRA outfall, or wetlands regulation? Have I got your attention? I hope so. The question of activism is one of the most important issues facing our Society today and will be a topic of discussion at the 1993 SNEC business meeting.

The question of advocacy is one which most AFS chapters are going to have to address in the near future. For the SNEC it is best to begin debating sooner rather than later. In the future we will be under increasing pressure from the parent Society to take on more of an activist role. Any of you who listened to Carlos Fetterolf's keynote address at the Chapter's 25th anniversary meeting, have no doubt that our current AFS president is a strong proponent of activism at all levels of our Society. In addition, Paul Brouha, AFS Executive Director, has made it quite clear that he would like to see the Society move in a direction which emphasizes advocacy. Anyone who thinks this trend is temporary is mistaken. The momentum is firmly established. Both candidates for Second Vice President in this past years election emphasized the importance of advocacy and the need to be proactive in the legislative arena.

Our own Environmental Affairs Committee is making rapid progress. To date the committee has focused its efforts on preparing an inventory of conservation organizations which are involved with aquatic resources in the Southern New England area. They are also conducting a survey of

Chapter members to identify areas of expertise. In the near future they will be seeking direction from the Chapter on how to move forward.

It is important that this issue be discussed deliberately and thoroughly. If we begin now we assure ourselves the time necessary to do so. Our chapter typically deals with issues in single business meetings. This format tends to lend itself to making decisions somewhat on the "whim of the moment". It is preferable to discuss this topic over several meetings so that persons having differing views are afforded the time to reconsider and respond. Besides, resolution of this issue is potentially much more complicated than simply "yes" or "no." Questions of scope, format (position papers, press releases, media contacts), and procedure will have to be addressed if the Chapter decides to become more involved in regional environmental issues.

I have set aside a considerable portion of this year's business meeting for discussion of this topic. Past Chapter presidents will be contacted directly and offered the opportunity to express their views by letter or, if they wish, time will be allotted for them to briefly address the Chapter. Carlos Fetterolf, Paul Brouha, and Ken Beal (Northeastern Division President) will be offered the same. At the meeting I will quickly summarize all letters received; however, all will be attached to the minutes verbatim. I intend that this portion of the meeting be limited to discussion and ask that no motions be made. All ensuing debate will be recorded and entered into the minutes. Copies will be sent to the parent Society and made available to Chapter members at subsequent meetings.

I am asking that each of you carefully consider whether advocacy is an appropriate or desirable activity for the Southern New England Chapter. Also, if activism is desired, what constraints would you put on such activities. This is probably one of the most important debates we will ever have. Remember, it's your Chapter, and the eventual resolution of this issue is likely to have a major impact on how future resources and energies are expended. See you in Amherst on June 10'th!

- Bill Hyatt

1993 SUMMER MEETING/ELECTIONS

The Southern New England Chapter Board of Directors has chosen the date and location of the 1993 summer meeting. It will be held on June 10, 1993 at the Campus Center of the University of Massachusetts, Amherst, MA. A meeting announcement and call for papers is being mailed separately.

The Board also approved a change in elections policy with elections now to be conducted by mail ballot. This will afford members who cannot attend the summer meeting an opportunity to vote. Candidate biographies and ballots will be included with the summer meeting pre-registration package.

25TH ANNIVERSARY A HUGE SUCCESS!

The Chapter's 25th anniversary meeting was held on December 9, 1992 at the Host Hotel in Boxborough, MA. Several photographs from the meeting are included in this edition. The meeting was the largest ever for the Chapter (over 120 participants) including AFS President Carlos Fetterolf and fifteen of the Chapter's past presidents. The past presidents were given plaques recognizing their role in shaping the Chapter. Wally Whitworth was further recognized through the Chapter's Award of Excellence for his leadership and contributions to fisheries science.

In his keynote address, Carlos described the continuing evolution of AFS as an advocacy group and encouraged members to more actively voice their opinion on the environmental issues facing us today. The morning session featured a panel discussion, moderated by Eric Smith, on the controversy surrounding ground fish management on the North Atlantic. Panel members represented a variety of interests including

commercial fisheries advocates and conservation groups, as well as fishery managers and researchers. In the afternoon, a theme session was led on the impending introduction of the zebra mussel into southern New England. The theme session was introduced by Carlos and included presentations by James Carlton, Charles O'Neill, Robert McMahon and Thomas Murray.

I believe Doug Tolderlund best expressed the consensus of meeting attendees when he wrote "Thanks to all concerned for making SNEC's 25th reunion/anniversary such a success!! A superb meeting on all counts!"

SNEC EDUCATION COMMITTEE

The SNEC Education Committee met January 26, 1993 at the Manomet Bird Observatory, Manomet, MA. Members present were Janis Albright-Burton, Don Danila, Don Flescher, Laura Katan, Brian Kelly, Eileen O'Donnell, and Chuck Phillips. All members introduced themselves and explained their interests in environmental education. They also discussed some of the educational activities they have recently been



Wally Whitworth (center) receives the Southern New England Chapter Award of Excellence from AFS President Carlos Fetterolf (left) and Chapter President Bill Hyatt.

involved with.

The committee moved on to discuss an article that had been circulated which was critical of environmental education over the last twenty years. Discussion ensued over areas that the Committee could explore as action items.

Short Term: Assess school interest in a Speakers Bureau of AFS members who would provide a small number of presentations annually. Develop a needs/interests questionnaire for potential participants.

Short Term: Assess school interest in an AFS mentor program to provide technical project supervision. Emphasis would be home town or home region for mentors. An SNEC, AFS Science Fair Award was also discussed as a possibility.

Long Term: Develop an urban environmental education pilot program working with curriculum developers, an urban school system and grant providers.

Committee assignments to accomplish these objectives were made. These included: developing a list of available curricula; checking interest level with Massachusetts science teachers representatives in our short and long term programs; developing and circulating a questionnaire for Committee review; contacting local schools Science Coordinators for interest in speaker/mentor programs; and contacting the City of Worcester and the New England Science Center to determine their involvement in environmental education.

The meeting was adjourned at 1:20 pm. The next meeting was scheduled for March 25, 1993 at Manomet, MA. For further information, contact Chair Chuck Phillips at (203) 566-5026.

- Chuck Phillips

SNEC PROFESSIONALISM COMMITTEE

The SNEC Professionalism Committee held their first meeting on February 4, 1993 at the Northeast Utilities Environmental Lab. Members include Tim Barry, Bill Hyatt, Brian Kelly and Chris Gauthier (chair). Rick Jacobson also attended the meeting to advise us as he has been working on the national AFS Certification Committee. The goals of the subcommittee were reviewed and include: 1) Promote AFS certification of SNEC members; 2) Judge student papers at Chapter meetings; and 3) Administer the Chapter's Award of Excellence by receiving the nominations and forwarding them to the Executive Committee.

Most of the discussion was focused on strategies to promote AFS certification of SNEC members. First, we discussed the value to members to apply for certification. Reasons included: 1) Enhances self recognition within the Society; 2) AFS certification is the only outside benchmark for fisheries biologists; 3) As more members become certified the process will gain importance and the entire AFS will gain; and 4) Individual sense of accomplishment for being recognized as a professional. The mechanics of actually promoting certification within the Chapter were then addressed. A table will be set up at Chapter meetings and manned by the Committee members. Fifty copies of the AFS certification application will be available for distribution so members can review the requirements to determine if they qualify. Copies of *Professionalism and the Professional* by D.L. Gilbert will also be available for distribution. This paper is a good review of what it means to be a professional and may get members to begin to think about AFS certification. In addition to the information table, the Committee discussed targeting universities to include the requirements needed to gain certification in their course curriculum. Students would also be encouraged to obtain an associate certification, and we discussed having the Chapter pay some of the cost of student's certification fee if they present a paper at our Chapter meeting. Other ways to promote certification were to encourage employers to fund the cost of certification of their employees, include information in the Chapter's newsletter, recognize newly certified members at

our Chapter meetings, or actually present the certification to members at our meetings.

We also discussed recruiting new members to the Committee and will continue to pursue this at Chapter meetings and through the newsletter. The Committee currently has three members from Connecticut and one from Massachusetts and would like to recruit a member from Rhode Island, although all potential members will be most welcomed. For further information, contact Chris Gauthier at (203) 447-1791.

- Chris Gauthier

SNEC ENVIRONMENTAL AFFAIRS

Review of the Strategic Plan: Jack Pearce and Rick Jacobson have revised the strategic plan to reflect the comments of selected reviewers. The new tenets, goal and objectives retain the intent of the earlier draft included in the last SNEC newsletters, however, they were revised to follow a more accepted format.

Inventory of SNEC member expertise and activity within regional aquatic resource conservation organizations: Jim Hughes is conducting these inventories with assistance as noted. The strategy is to conduct these inventories by mail. Follow-up contact will be made to all non-respondents to the expertise survey. Responses will then be tabulated using either a relational database or spreadsheet software. The results of the survey and inventory remain a point of discussion. We will be developing a proposal for publishing these in the form of a directory distributed to all members and aquatic resource conservation organizations in the region recognized under other activities of the Committee. The parent society will also be appraised of this proposal for their comment.

Jim is also proposing to conduct a mail poll of environmental issues of interest to SNEC members. This will be done in a separate mailing. Non-respondents would not be contacted again. This information would be used for further discussion purposes within the Committee and for

generating new directions in which to proceed.

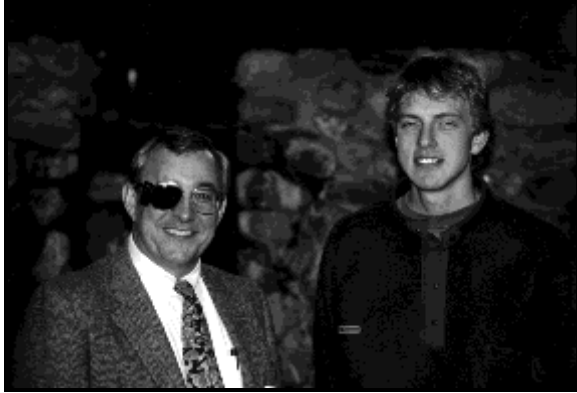
Inventory of aquatic resource conservation organizations: Penny Howell, Chris Powell, and Cheryl Ryder have been busily gathering information on aquatic resource conservation organizations within the region. Cheryl indicated that she has been getting little assistance from those she has contacted in Massachusetts to date. They will be discussing how to gather the last of the information they will need for that activity. They will review how best to handle this information once it has been compiled. It is intended that the results will be compiled in a database management system, complementing that used for the membership inventory and survey and published as a directory.

Communication through the Chapter newsletter: Gordon Waring will work with Jim Hughes and Penny Howell on the final publication of the results of their surveys as they near completion. Gordon will also be contacting Ron Essig regarding establishing an "Environmental Affairs Column" in the Chapter newsletter. Finally, Gordon will work with Jack Pearce on developing a statement about the AFS-SNEC Environmental Affairs Committee for distribution and publication in other environmental publications in the region (e.g., *Turning the Tide*) and the Chapter Activities section of *Fisheries*.

Communication through special sessions at Chapter meetings: Jack Pearce will be working with the Program Development Committee (Eleanor Mariani - Chair) concerning the initiation of a special session on environmental affairs at an upcoming meeting.

Committee members are Penny Howell, Jim Hughes, Bill Hyatt, Rick Jacobson, David Nelson, Jack Pearce, Chris Powell, Cheryl Ryder and Gordon Waring. For further information, contact Chair Rick Jacobson at (203) 566-2287.

- Rick Jacobson



SNEC charter member Allen Peterson (left) and student member Stephen Long at 25th anniversary meeting.

MEMBER NEWS, MIGRATIONS

Robert Sousa, with the U.S. Fish and Wildlife Service, has been named Deputy Assistant Regional Director for Federal Aid. He formerly was Assistant Director of the Silvio Conte Anadromous Fish Research Laboratory in Turners Falls, MA.

David Sutherland has started work on a graduate degree in Wildlife and Fisheries Biology at the University of Massachusetts. He was formerly at the Annapolis Field Office of the U.S. Fish and Wildlife Service.

Paul Rago recently joined the staff of the Conservation and Utilization Division of the National Marine Fisheries Service at Woods Hole, MA. He has been involved in striped bass research for many years with the U.S. Fish and Wildlife Service at Leetown, West Virginia.

James Geiger has been named Assistant Regional Director for Fisheries and Federal Aid in Region 5, U.S. Fish and Wildlife Service. He formerly was Chief of the Division of Management Assistance for the Service in Washington, DC.

New regular AFS members in the Southern New England Chapter area (August 1992 - January 1993) are:

Kathleen Ahern, South Dennis, MA
Annemarie Averill, Fitchburg, MA

Jeffrey C. Brust, Pembroke, MA
Janis A. Burton, Manomet, MA
Syma A. Ebbin, East Haven, CT
John K. Galbraith, Pocaset, MA
Madeleine Hall-Arber, W. Newton, MA
Vincent J. Malkoski, Marion, MA
Nancy J. McHugh, Sandwich, MA
Peter T. McNamara, Narragansett, RI
Andrew Rosenberg, Woods Hole, MA
Eileen C. Sadasiv, Kingston, RI
Susan H. Townsend, Monson, MA
Ted Williams, Grafton, MA

New student members are:

Charles A. Davis, East Falmouth, MA
Stephen E. Dornsife, Narragansett, RI
Eric M. Hromada, Amherst, MA
John Lake, Groton, CT
Jill Leonard, Greenville, MA
Kelly A. Lindsay, Falls Village, CT
Wilson Sallum, Tiverton, RI
Margo B. Schulze, Sunderland, MA

RIVER PROTECTION BILL

Legislative action is expected in 1993 on the largest river protection bill ever proposed in Massachusetts. The Riverways Protection Act would mandate 150-foot no-building zones along all major rivers and tributaries. Walter Bickford, executive director of the Massachusetts Watershed Coalition, said many of the 70 watershed groups active in the state are focused on projects that would make a dramatic difference in the way rivers are protected, integrating land use, private and public activity, conservation and pollution prevention efforts on a watershed-by-watershed basis. "We are definitely on the cutting edge of a whole new perspective and approach to integrating development with the environment," Bickford said. "The whole concept is that scientists, engineers and environmentalists are beginning to look at rivers and their watersheds and all the actions in them as being interconnected." As part of that approach, watersheds for most major rivers are being

mapped with an eye towards key land use areas, runoff pollution, and riverbank uses.

- Excerpted from *Water Wisdom*,
Vol 5. No. 4

HOUSE SUBCOMMITTEE REFORMS

The House Subcommittee on Fisheries, Wildlife Conservation and the Environment has been restructured into two subcommittees - one dealing with fisheries and the other with natural resources and the environment. Massachusetts Representative Gerry Studds, who chairs the full Merchant Marine and Fisheries Committee, will also chair the Subcommittee on Environment and Natural Resources. This Subcommittee will have responsibility over clean water and other environmental issues, marine mammals, endangered species, and general oversight over the U.S. Fish and Wildlife Service. The Subcommittee on Fisheries Management, which will have jurisdiction over marine and interjurisdictional fisheries and general oversight over the National Marine Fisheries Service, will be chaired by Representative Thomas Manton of New York.

MA TROUT CREEL LIMIT PROPOSAL

The Massachusetts Division of Fisheries and Wildlife has proposed to decrease the number of trout in the daily creel to three per day on lakes, ponds and "major" rivers. On smaller rivers and streams the creel limit would be reduced from 12 to six trout between April 1 and September 10 and to three trout between September 11 and March 30. An additional trout management proposal has been suggested which would identify ten special brown trout management ponds. Limits at these ponds--all of which are known to hold trophy size browns--would be one brown trout per day with a minimum size of 15 inches.

The proposal, presented to the Fisheries and Wildlife Board, would reflect the changes in fish

rearing instituted over the past six years and would simplify state fisheries regulations. During this period the Division's policy has shifted from stocking large numbers of small trout to releasing fewer, but larger, fish. A public comment period and public hearing will follow if the Board chooses to pursue the proposal.

BLACK SEA BASS PROTECTION

The Massachusetts Division of Marine Fisheries (DMF) and the Marine Fisheries Commission have proposed a ban on the possession, taking, or landing of black sea bass by fishermen using mobile gear, fixed gear, and hook and line from April 15 through June 15. The ban will protect prespawning and spawning fish in state waters especially in shoal waters throughout Nantucket and Vineyard Sounds and in Buzzards Bay. This proposed action is in response to an almost complete lack of recruitment in Massachusetts waters and a drastic drop in landings in recent years. Although Federal and interstate management plans for black sea bass are being developed, DMF believes that the depressed state of the resource requires quicker action than the two, perhaps three, year wait for implementation of these regional plans.

- excerpted from *Division of Marine Fisheries News*, First Quarter, 1993

SUMMER FLOUNDER PLAN ADOPTED

The Summer Flounder Fishery Management Plan has been approved by the Mid-Atlantic Fishery Management Council and the Atlantic States Marine Fisheries Commission. The plan objective is to restore the depleted stock by reducing fishing mortality on this species throughout its range north of Cape Hatteras, North Carolina. The National Marine Fisheries Service approved the final regulations implementing the FMP on November 30, 1992. Commercial fishery provisions include state quotas, federal permits, minimum mesh of 5.5 inches diamond, and minimum size of 13



Past presidents (from left) C. Griswold, L. Deegan, D. Tolderlund, B. Kynard, J. O'Brien, H. Mears, R. Hames, J. Cronan, A. Peterson, D. Pierce, L. Bandolin, D. Flescher, W. Whitworth and E. Smith at 25th anniversary.

inches. Recreational fishery provisions include a bag limit of 6 fish per person, a minimum size of 14 inches, and closed seasons.

DEGRADABLE NET RESEARCH

Lost or discarded fish nets made of modern materials needlessly entrap and kill marine animals as they silently "ghost-fish," drifting along with the currents. Kenneth Gonsalves, assistant professor of materials sciences at the University of Connecticut, is developing new degradable materials that could be used in the construction of fishing nets, lobster trap closures, and other marine equipment. If lost at sea, the new materials would degrade in about one year. At present, nylon materials lost at sea may persist for 30 to 50 years.

- excerpted from *Nor'easter*,
Fall/Winter 1992

DWARF WEDGE MUSSEL SURVEY

Connecticut DEP biologists have conducted stream surveys where historic records indicated the presence of this state and federally

endangered freshwater mussel. A total of 16 sites were checked in Hartford and New Haven counties during the 1992 field season. No dwarf wedge mussels were found at any of the sites, although four of the streams contained other mussel species. One stream was so polluted, it no longer supported any clean water organisms. Six other streams were considered unlikely to support viable dwarf wedge mussel populations because of their poor quality. More surveys are planned for next year.

- *Connecticut Wildlife*, Jan/Feb 1993

NMFS BIOLOGICAL BRIEFS

Analyses of marked ocean quahogs recaptured after 14 years in waters south of Long Island show shell growth of only about one millimeter per year over the period, confirming the exceptionally slow growth of this species. Contact Thomas Azarovitz at (508) 548-5123.

Reanalysis of age-and-growth data on the sandbar shark indicates that it may take up to 30 years for this species to reach maturity. Contact Jack Casey at (401) 782-3200.

Analysis of 11 years of fish egg/larval survey data

shows that bluefish spawning begins in late spring off North Carolina and ends abruptly in August throughout the North Carolina to Rhode Island spawning range. Contact Wallace Smith at (908) 872-3060.

- NMFS NE Fisheries Science Center
Research Highlights, May-Oct 1992

SEWAGE OUTFALL RESEARCH

Three Woods Hole Oceanographic Institution research projects will examine different aspects of the effects the Boston Harbor sewage outfall pipe will have on the surrounding marine environment. One study will look at toxic red tides in Massachusetts and Cape Cod bays and will try to determine if an increase in nutrients released into the waters, due to the outfall, will have the effect of triggering outbreaks of red tide along the coast. A second project will study the vertical mixing processes in Massachusetts Bay. Presently, the discharge of sewage effluent from Boston Harbor provides a major source of nutrients to the surface waters in western Massachusetts Bay. However, with the completion of the outfall pipe, the effluent will be delivered as a submerged plume, preventing the nutrients from reaching the mixed, near-surface layer. Vertical mixing rates will play a key role in the transport of these nutrients to near-surface waters, where they provide food used in primary production. The third study will examine the role of the benthos in anoxia, nutrient regeneration, and nitrogen removal via denitrification under different sewage treatment and nutrient loading scenarios. WHOI scientists hope to determine the role of the benthos in controlling the fate of sewage-derived nitrogen which, once the outfall pipe is operative, will be introduced in deep water below the thermocline.

- excerpted from *Nor'easter*,
Fall/Winter 1992

ENDANGERED AQUATIC SPECIES

Last August, the National Wildlife Federation filed a "friend of the court" or amicus brief in an Alabama citizen suit arguing that the Endangered Species Act requires the Environmental Protection Agency (EPA) to consult with the U.S. Fish and Wildlife Service (FWS) and the National Marine Fisheries Service (NMFS) when EPA approves state water quality standards. A FWS field supervisor initially notified EPA in January 1991 that Alabama's proposed standards could adversely affect 22 endangered or threatened aquatic species. EPA nevertheless approved the standards without consultation.

Recently, in an effort to get out of the lawsuit, EPA entered into a memorandum of agreement to consult with FWS and NMFS at the headquarters level on whether EPA's "aquatic life" chemical criteria are stringent enough to protect endangered or threatened species. The Federation argued that the agreement is inadequate and the consultation should be done at the field staff level on a site-specific basis in order to assess, among other things, the impact of toxic mining zones near the species; the need for whole effluent toxicity testing; and the development of biological criteria at the site. The case is still pending before the Alabama District Court.

- NWF newsletter, *The Leader*,
January 1993

GOOSEFISH MANAGEMENT

The New England and Mid-Atlantic Fishery Management Councils have begun to develop management proposals for goosefish (commonly referred to as monkfish). Two scoping meetings have been held to receive public comment on potential problems and viable options. Goosefish have had a limited market in the U.S. and were taken largely as bycatch in the groundfish and scallop dredge fisheries. However, the market for goosefish tails and other body parts has improved steadily over the past decade. Goosefish livers have recently found a growing and lucrative

export market (primarily in Japan). The result has been a rapid increase in the reported landings of the species. Less than 5 millions pounds of monkfish (whole fish weight) were landed in 1981. By 1991, landings increased to 26.5 million pounds with an ex-vessel value of 19.2 million dollars. The NMFS Northeast Fisheries Science Center *Advisory Report on Stock Status* reports that monkfish biomass fell by half during 1984-1991 and the stock is at least heavily exploited, and might be overexploited.

THOREAU ON ANADROMOUS FISH

A possible motto for the Environmental Concerns Committee and all of the Chapter's biologists who are fighting natural resource issues comes from the advice that Henry David Thoreau gave to shad faced not only with the rigors of shad life, but with a dam on the Concord River. He said ..."Keep a still fin then, and stem all the tides thou mayst meet." Thoreau wasn't really a naturalist, he was more of an artist who produced images that were heavily influenced by the transcendental movement of the time. However, in 1849, he wrote a lot about fish and dams in his work "A week on the Concord and Merrimack Rivers." He wrote about shad:

"Shad are still taken in the basin of Concord River at Lowell, where they are said to be a month earlier than the Merrimack shad, on account of the warmth of the water. Still patiently, almost pathetically, with instinct not to be discouraged, not to be reasoned with, revisiting their old haunts, as if there stern fates would relent, and still met by the Corporation with its dam. Poor shad! Where is thy redress? When nature gave thee instinct, gave she thee the heart to bear thy fate? Still wandering in thy scaly armor to inquire humbly at the mouths of rivers if man has perchance left them free for thee to enter. By countless shoals loitering uncertain meanwhile, merely stemming the tide there in danger from seas foes in spite of they bright armor, awaiting new instructions, until the sands, until the water itself tells thee if it be so or not. Thus by whole migrating nations, full of

instinct, which is thy faith, in this backward spring, turned adrift, and perchance knowest not where men do not swell, where there are no factories, in these days, armed with no sword, no electric shock, by mere Shad, armed only with innocence and just cause, with tender dumb mouth only forward, and scales easy to be detached. I for one am with thee, and who know what may avail a crow-bar against that Billerica dam? ...Keep a stiff fin then, and stem all the tides thou mayst meet".

- Chuck Berry, *Dakota Chapter News*,
January 1993

THE GLOUCESTER ADVENTURE

Chapter member Ken Beal wrote an article for the AFS Fisheries History Section newsletter on the 121-foot fishing schooner, Adventure, built in Essex, MA in 1926. This dory-schooner was fished until 1953, landing more fish and making more money during her career than any other vessel at the time. After a stint in the windjammer trade in Maine, Adventure was donated to the people of Gloucester, MA in 1988 to be displayed as a monument and used for educational purposes. This historic vessel has been named to the National Register of Historic Places and is being considered for listing as a National Historic Landmark.

You can become a member of the Fisheries History Section by mailing \$2 for 1993 dues to Section President John Leonard, 83 Crystal View Circle, Burnsville, MN 55337.

WARMWATER WORKSHOP

The Northeastern Division of the American Fisheries Society will hold a workshop on "Managing Black Bass in Northern Waters" at Bonnie Castle Resort in Alexandria Bay, New York, October 5-6, 1993. The purpose of the workshop is to provide a forum for biologists working with black bass management to exchange

the latest information. Papers are being solicited on regulations for management of largemouth and smallmouth bass in northern waters and population dynamics/biology pertinent to regulations. For information on presenting a paper or attending please contact David Green, Cornell Biological Field Station, 900 Shackelton Point Road, Bridgeport, NY 13030 (315) 633-9243.

NATURAL AREAS CONFERENCE

The Natural Areas Association is planning a major international conference to be held at the University of Maine, Orono, June 23-27, 1993. The Conference will provide an opportunity for resource managers, scientists, students and volunteers to exchange ideas about identifying, managing and protecting natural areas and endangered species. Six symposia topics will be featured at the conference: conservation in marine ecosystems; conserving endangered species and natural communities in working landscapes; biological diversity in working landscapes - topical perspective; biological diversity in working landscapes - institutional perspective; inventorying and monitoring natural areas in working landscapes; and managing natural areas in working landscapes.

The "Conservation of Marine Ecosystems" session will have presentations from leading scientists and managers concerned with national sanctuaries and parks, as well as reports from scientists working in the Gulf of Mexico, Middle Atlantic Bight and the Gulf of Maine. These papers will be focused on the general issues of **cumulative effects** of contaminants. Contact SNEC member Dr. John Pearce at (508) 548-5123 for further information on this session. For general conference information, contact Hank Tyler at (207) 624-6041.



Chapter member Eric Smith moderates groundfish management panel at 25th anniversary meeting.

NEW AFS PUBLICATIONS

Investigation and Valuation of Fish Kills, AFS Special Publication 24, presents the latest methods for determining the economic consequences of fish kills. It revises, updates, and extends the information in *Monetary Values of Freshwater Fish and Fish-Kill Counting Guidelines* (AFS Special Publication 13), which has been widely used to estimate monetary damages for pollution-related fish kills since 1982. The new 96-page book guides fishery managers and assessment biologists from the moment a kill occurs until the final fishery value is calculated, and it stresses legally defensible data acquisition and analysis. It has a new chapter on organizing fish kill investigations, including requirements for interagency coordination, field procedures, and sample record-keeping and report forms. It also contains expanded sections on field sampling and statistical principles, updated replacement values of fish based on a new survey of U.S. and Canadian hatcheries, and--for the first time--methods for calculating the value of lost angling opportunities. The book emphasizes the importance of local expertise and data, but it shows how to estimate economic losses even when local information is unavailable. Procedures are illustrated with examples and sample calculations. *Investigation of Fish Kills* is prepared by the Pollution Committee of the AFS Southern Division and the AFS Socioeconomics Section. Books can be purchased from AFS for \$28 (\$22 AFS members). Prices include postage and

handling inside the U.S.

Another new AFS publication is on the lighter and tastier side. *Sea Fare - The Official American Fisheries Society Cookbook, Volume I* contains delicious recipes from all regions of North America along with colorful artwork, folklore, stories and facts on fish and fishing. The Southern New England Chapter has ordered a supply for sale to members. Contact Dan Hayes at (508) 548-5123 to place your order.

Reviews in Fisheries Science is a new journal co-published by CRC Press and AFS. It provides an important forum for the publication of up-to-date reviews, historical articles, and original research covering the broad range of subject areas in fisheries science. These areas include management, aquaculture, taxonomy, behavior, stock identification, genetics, nutrition and physiology. The subscription rate per 4-issue volume is \$39 for AFS members. Contact Lewis Publishers/CRC Press at (800) 272-7737.

Soon to be published by AFS is *Inland Fisheries Management in North America*, edited by Christopher C. Kohler and Wayne A. Hubert. This textbook provides a description of the conceptual basis and current management practices being applied to freshwater and anadromous fisheries in North America with a focus on the decision-making process. The book is organized into five sections: Introduction, Fishery Assessments, Habitat Manipulations, Community Manipulations and Common Management Practices.

FROM THE EDITOR

This newsletter issue is coming out a little later than I hoped due to workload and technical difficulties associated with our office move. My new mailing address appears below and my telephone numbers are:

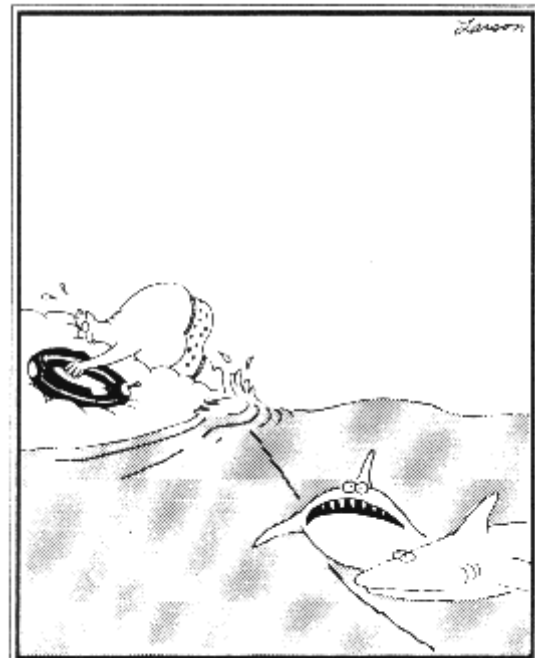
Phone (413) 253-8504

Fax (413) 253-8487.

Unless we move to more than two issues a year, the deadline for the next issue is August 1, 1993. Please send along anything that you can. Thanks!

- Ron Essig

Ron Essig
U.S. Fish and Wildlife Service
Division of Federal Aid
300 Westgate Center Drive
Hadley, MA 01035



"He was magnificent! Just magnificent! And I almost had him! . . . I can't talk about it right now."

"He was magnificent! Just magnificent! And I almost had him!...I can't talk about it right now."